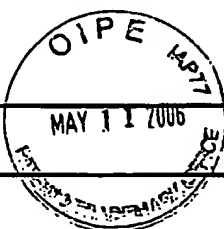


<b>Form PTO-1449 U.S. Department of Commerce</b> <b>(REV. 2-82) Patent and Trademark Office</b>  <b>INFORMATION DISCLOSURE STATEMENT</b> <b>BY APPLICANT</b>  (Use several sheets if necessary)	Atty. Docket No. A33081-R 072771.0106	Serial No. 09/633,034
	Applicant Tsang et al.	
	Filing Date August 4, 2000	Group 1643
	Examiner Huff, Sheela Jitendra	



U.S. PATENT DOCUMENTS								
*Exam. Initial.	No.		Document No.	Date	Name	Class	Subclass	Filing Date if Approximate.

FOREIGN PATENT DOCUMENTS								
Exam Initial	No.		Document No.	Date	Country	Class	Subclass	Translation Yes No

Exam Initial	No.		OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)					
SJH		55	Nakao et al., 1997 Am J Gastroenterol. Clinical application of a new monoclonal antibody (19B7) against PIVKA-II in the diagnosis of hepatocellular carcinoma and pancreatobiliary malignancies. 92(6):1031-4.					
SJH		56	Wolf et al., 1993, J. Immunol. 150(8):p142A; Abstract No. 806 Immunohistological and Flowcytometry studies using monoclonal antibody					
SJH		57	Wolf et al., 1993, Immunoreactivity of cell lines and colon carcinomas with monoclonal antibodies PCA 31.1 and PCA 33.28. Mol. Biol. Cell 4 (supp): p334A; Abstract 1940					

546758	/Sheela J. Huff/	Date Considered	06/01/2006
Examiner			

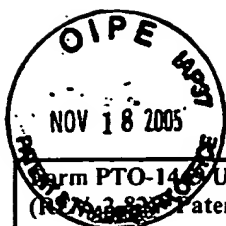
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<b>Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)	Atty. Docket No. A33081-R 072771.0106	Serial No. 09/633,034
	Applicant Tsang et al.	
	Filing Date August 4, 2000	Group 1643
	Examiner Huff, Sheela Jitendra	

Exam Initial	N o.	OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)
SJH	58	Wolf et al., 1993, Monoclonal antibody 31.1 may differentiate indolent from aggressive colon cancer. Proc. Am. Assoc. Cancer Res. 34: p452 ; Abstract 2695.
↓	59	Hurwitz et al., 1992, Immunotargeting of Daunomycin to localized and metastatic human colon adenocarcinoma in athymic mice. Cancer Immunol. Immunother. 35:186-192.
↓	60	Kuroki et al., 1992, Reaction profiles of seven enzyme immunoassay kits for carcinoembryonic antigen (CEA) analysed with purified preparations of CEA and related normal antigens. Clin. Biochem. 25:29-35
↓	61	Bartal et al., 1990, Monoclonal antibody defining an antigen present within a purified tumor membrane vaccine Proc. American Assoc. Cancer Res. 31: p260, Abstract No. 1537
↓	62	Tsang, 1987, Monoclonal antibodies to human colon carcinoma-associated antigens FASEB 46(3):1058, Abstract No. 4322.
SJH	63	Hughes et al., (1986) Antigen expression in normal and neoplastic colonic mucosa: three tissue-specific antigens using monoclonal antibodies to isolated colonic glands. Cancer Res. 46:2164-2171 ( <sup>6</sup> ).

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<b>Form PTO-148</b> <b>U.S. Department of Commerce</b> <b>(Patent and Trademark Office)</b>  <b>INFORMATION DISCLOSURE STATEMENT</b> <b>BY APPLICANT</b>  (Use several sheets if necessary)	<b>Atty. Docket No.</b> A33081-R 072771.0106	<b>Serial No.</b> 09/633,034
	<b>Applicant</b> Tsang et al.	
	<b>Filing Date</b> August 4, 2000	<b>Group</b> 1642
	<b>Examiner</b> To Be Assigned	<b>L.R. Helms</b>

U.S. PATENT DOCUMENTS								
*Exam. Initial.	No.		Document No.	Date	Name	Class	Subclass	Filing Date if Approximate.

FOREIGN PATENT DOCUMENTS								
Exam Initial	No.		Document No.	Date	Country	Class	Subclass	<u>Translation</u> Yes No

Exam Initial	N o.		OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)					
SJH		48	Proc. Am. Assoc. Cancer Res. 1994, Mar. Vol 35, Abstract 103, "Comparison of immunostaining of colonic neoplasms with PCA 31.1, PCA 33.28, B72-3 and anti-CEA monoclonal antibodies". A.H. Bartal, J. Wolf, H. Lichtig, E. Agranovsky, R. Levy, H. Kerner, V. Bychkov, O. Saric, M. Wolff, Y. Hirshaut, M. Monizur, M. Arlen and L. Pertschuk.					
SJH		49	J. Surg. Oncol. 1993, Vol 54, pages 103-108, "Monoclonal Antibodies and Their Role in Modulation of the Immune Response", Myron Arlen, J.D. and Kwong Y. Tsang, Ph.D.					
SJH		50	Ann. New York Acad Sci 1993, Vol, 690, pp. 374-375; "Identification and Characterization of a Colon Tumor-Associated Antigen". M. Arlen, A. C. Hollinshead and K. Y Tsang.					

NY02:534047.1

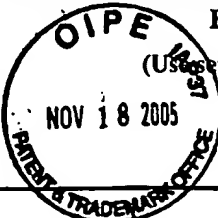
/Sheela J. Huff/

06/01/2006

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Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)  	Atty. Docket No. A33081-R 072771.0106	Serial No. 09/633,034
	Applicant Tsang et al.	
	Filing Date August 4, 2000	Group 1642
	Examiner To Be Assigned	L.R. Helms

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	09/633,034
		Filing Date	Aug. 4, 2000
		First Named Inventor	Tsang, et al.
		Art Unit	1642
		Examiner Name	Sheela Huff
Attorney Docket Number	072771.0106		
Sheet	1	of	5

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
SJH	1	Bartal, A. H et al, Proc. Am Assoc. Can Res, 31:260 (Ast#1537), Mar. 1990.	
	2	Price, M.R et al, IRCS J Med Sci, 13(4):366-367, Apr. 1986.	
	3	Hertyn, M et al, PNAS, 76(3):1438-1442, Mar. 1979.	
	4	Tsang, K.Y. et al, Fed Proc, 46(3):1058 (Abst#4322), Mar. 1987.	
	5	Xu, Danlin, Dissertation (Degree 1990) order #9109383, pp. 1-86, 1990.	
	6	Kanellos, J et al, JNCI, 75(2):319-332, Aug. 1985.	
	7	Shaw, D.R et al, J Immunol, 138:4534-4538, Jun. 15, 1987.	
	8	Tsang, K.Y et al, FASEB, J2(5):A6815, 1988.	
	9	Hollinshead, A., et al., Science, 177: 887-889 (1972).	
SJH	10	Von Kleist, S., et al., Proc. Natl. Acad. Sci. USA 69: 2492-2494 (1972).	

Examiner Signature	/Sheela J. Huff/	Date Considered	06/20/2006
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	09/633,034
		Filing Date	Aug. 4, 2000
		First Named Inventor	Tsang, et al.
		Art Unit	1642
		Examiner Name	Sheela Huff
Sheet 2	of 5	Attorney Docket Number 072771.0108	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
SJH	11	Hollinshead, A.C., J. Nat. Cancer Instit. 52: 327-338 (1974).	
SJH	12	Hollinshead, A.C., Cancer, 34: 1235-1243 (1974).	
SJH	13	Hollinshead, A.C., Lung Cancer Progress in Therapeutic Research, pp. 501-520, Muggia, F., Rosenzweig, M. (ed.), Raven Press 1979 #	
SJH	14	Herlyn, M., et al. Proc. Natl. Acad. Sci. USA 79: 1438-1442 (1979).	
SJH	15	Hollinshead, A. et al., Tumor Progression, pp. 289-300, Crispen (ed) (1980).	
SJH	16	Herlyn, M., et al. J. Clinical Immunol. 2: 135-140 (1982).	
SJH	17	Hollinshead, A.C., et al., Cancer 49: 1387-1404 (1982).	
SJH	18	Moldofsky, P.J., et al., Radiology 149: 549-555 (1983).	
SJH	19	Buchegger, F., et al., J. Experimental Medicine 158: 413-427 (1983).	
SJH	20	Takita, J., et al., Cancer Immunol. Immunother. 20: 231-235 (1985).	

Examiner Signature	/Sheela J. Huff/	Date Considered	06/20/2006
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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		Application Number	08/633,034
		Filing Date	Aug. 4, 2000
		First Named Inventor	Tsang, et al.
		Art Unit	1642
		Examiner Name	Sheela Huff
Sheet 3	of 6	Attorney Docket Number 072771.0106	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
SJH	21	Price, M.R., et al., IRCS Med. Sci. 13: 366-367 (1985).	
	22	Kanellos, J., et al., JNCI 75: 319-332 (1985).	
	23	Hollinshead, A., et al., Cancer 56: 480-489 (1985).	
	24	Stewart, T.H.M., et al., Lung Cancer: Current Status and Prospects for the Future-Ann. Clin. Conf. on Cancer 28: 351-374 1986	
	25	Tsang, K., et al., JNIC 77: 1175-1180 (1986).	
	26	Douillard, J.Y., et al., Hybridoma 5: 5139-5149 (1986).	
	27	Hollinshead, A., Biologic Drugs, Vaccines: Current Status and Future Directions, pp. 85-103, Springer Verlag (1986).	
	28	Tsang, K., et al., Fed Proc. 46:4322 (1987).	
	29	Shaw, D.R., et al., J. Immunology 138: 4532-4538 (1987).	
SJH	30	Tsang, K., et al., Cancer Detection and Prevention 11: 094 (1987).	

Examiner Signature	/Sheela J. Huff/	Date Considered	06/20/2006
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet

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of

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Application Number	09/633,034
Filing Date	Aug. 4, 2000
First Named Inventor	Tsang, et al.
Art Unit	1642
Examiner Name	Sheela Huff
Attorney Docket Number	072771.0108

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
SJH	31	Tsang, K., et al., Fed. Proc. 6815 (1988).	
	32	Tsang, K., et al., 7th International Congress of Immunology, Abstract 125-46 (1989).	
	33	Bartel, A., et al., Proceedings 31: Abstract 1537 (1990).	
	34	Arlen, M. and Tsang, K., J. Tumor Marker Oncology 5: 313-319 (1990).	
	35	Hirschfield, L.S., et al., Federation of American Societies for Experimental Biology, Abstract 5708 (1991).	
	36	Xu, D.L., et al., Fed. Amer. Soc. Exper. Biol., Abstract 2109 (1991).	
	37	Hollinshead, A.C. and Stewart, T.H.M., Yale Journal of Biology and Medicine 54: 367-379 (1981).	
	38	Sears, H.F., et al., J. Clinical Immunol. 2: 141-149 (1982).	
	39	Arlen, M., et al., Antibody, Immunoconjugates, and Radiopharmaceuticals, 4: 895-905 (1991).	
SJH	40	Arlen, M., et al., Journal of Surgical Oncology 54: 103-108 (1991).	

Examiner  
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/Sheela J. Huff/

Date

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	09/633,034
		Filing Date	Aug. 4, 2000
		First Named Inventor	Taang, et al.
		Art Unit	1642
		Examiner Name	Sheela Huff
Sheet 6	of 6	Attorney Docket Number 072771.0106	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
SJH	41	Arlen, M., et al., NY Academy (cancer vaccines) 603-605 (1993).	
SJH	42	Fernado, A.D. et al., Miami Symp. Short Reports 3: 88 (1993).	
SJH	43	Girardet, C., et al., J. Immunology 136: 1497-1503 (1986)	
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Examiner Signature	/Sheela J. Huff/	Date Considered	06/20/2006
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Sheet 6 of 6

## Complete If Known

Application Number 09/833,034  
Filing Date Aug. 4, 2000  
First Named Inventor Teang, et al.  
Art Unit 1642  
Examiner Name Sheela Huff  
Attorney Docket Number 072771.0106

U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
SJH	1	US-	4,579,827	4/86	Sakamoto, et al.	
V	2	US-	4,699,880	10/87	Goldstein	
	SJH	3	US-	4,810,781	3/89	Hollinshead
	4	US-				
	5	US-				
	6	US-				
	7	US-				
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
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	<b>Applicant</b> Tsang <i>et al.</i>	
	<b>Filing Date</b> August 4, 2000	<b>Group</b> 1642
	<b>Examiner</b> Helms, L.R.	

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Exam. Initial	No.	Document No.	Date	Name	Class	Subclass	Filing Date if Approximate.
SJH	11	6,346,249	February 12, 2002	Barbas III et al.			4/4/2000.
SJH	12	6,342,587	January 29, 2002	Barbas III et al.			10/22/1999
SJH	28	5,958,412	Sept. 28, 1999	Welt et al.			6/4/1997
SJH	33	5,712,369	January 27, 1998	<del>Welt et al.</del> Old et al.			2/2/1996.
↓	39	5,643,550	July 1, 1997	Welt et al.			9/27/1994
↓	47	5,160,723	November 3, 1991	Welt et al.			3/18/ 1991.

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Exam Initial	No.	Document No.	Date	Country	Class	Subclass	Translation Yes No

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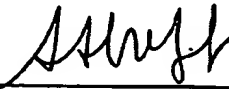
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SM	1	Chong, G., F. T. Lee, et al. (2005). "Phase I Trial of 131I-huA33 in Patients with Advanced Colorectal Carcinoma." Clin Cancer Res 11(13): 4818-26.
	2	Koppe, M. J., R. P. Bleichrodt, et al. (2005). "Radioimmunotherapy and colorectal cancer." Br J Surg 92(3): 264-276.
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55H	10	Welt, S., G. Ritter, et al. (2003). "Preliminary report of a phase I study of combination chemotherapy and humanized A33 antibody immunotherapy in patients with advanced colorectal cancer." Clin Cancer Res 9(4): 1347-53.
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